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Date : 9/27/2005

Pages (including cover) : 29

## Sender :

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## To :

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2 NOV 2005

Message : USSN 10/531,964, filed April 19, 2005

Legal Staff  
International Division

Due to the fact that the Office of Petitions has no record of receipt of the Petition to Revive An Unintentionally Abandoned Patent Application Pursuant to 37 CFR § 1.137(b) filed with the USPTO on April 19, 2005, we have been requested to fax these documents to the USPTO. These documents were originally filed with the USPTO *Via* Express Mail on April 19, 2005.

Please confirm receipt of these documents. Thank you.

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PCL/DDK/

59802 (49947)

## Return Postcard - Non-Provisional Application (priority claimed)

10/531964

Inventor: David L. Keefe

Atty Docket No.: 59802(49947)

Application No.: Not Yet Assigned

Filing Date:

Title: METHODS OF ASSESSING THE RISK OF REPRODUCTIVE FAILURE BY  
MEASURING TELOMERE LENGTH

## Documents Filed:

Certificate of Express Mail;  
Transmittal Letter to the United States Designated Office;  
Fee Transmittal;  
Preliminary Amendment;  
Petition to Revive Unintentionally Abandoned Patent Application;  
Information Disclosure Statement;  
Form PTO SB/08  
Application Data Sheet;  
Unexecuted Declaration and Power of Attorney Form; and  
This Return Postcard.

JC03 Rec'd PCT/PTO 19 APR 2005

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Date: April 19, 2005

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Information Disclosure Statement

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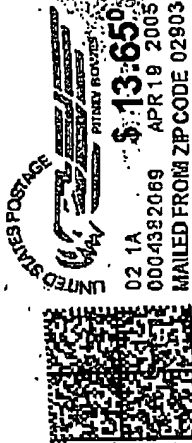


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EP-13F February 2002

EV438976710US

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 59802(49947)

**Certificate of Express Mailing Under 37 CFR 1.10**

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV438976710US in an envelope addressed to:

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on April 19, 2005  
Date

George Chacles  
Signature

George N. Chacles  
Typed or printed name of person signing Certificate

46,608  
Registration Number, if applicable

(617) 439-4444  
Telephone Number

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Fee Transmittal (1 page)  
Application Data Sheet (2 pages)  
Transmittal Letter to the United States Designated-Elected Office (2 pages)  
Information Disclosure Statement  
Form PTO/SB08a/b  
Unexecuted Declaration/Power of Attorney  
Petition to Revive Unintentionally Abandoned Patent Application  
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PTO/SB/17 (12-04v2)

Approved for use through 7/31/2008. OMB 0951-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
<b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		Application Number	Not Yet Assigned
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	April 19, 2005
TOTAL AMOUNT OF PAYMENT (\$)		First Named Inventor	David L. Keefe
2,215.00		Examiner Name	Not Yet Assigned
		Art Unit	N/A
		Attorney Docket No.	59802(49947)

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify):	
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 04-1105 Deposit Account Name: Edwards & Angell, LLP	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.18 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

FEE CALCULATION							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
	FILING FEES		SEARCH FEES		EXAMINATION FEES		
Application Type	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
<b>2. EXCESS CLAIM FEES</b>							
Fee Description							Small Entity Fee (\$)
Each claim over 20 (including Reissues)							50
Each independent claim over 3 (including Reissues)							200
Multiple dependent claims							360
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		Multiple Dependent Claims		
50	- 20 = 30	x 50.00 =	1500		Fee (\$)		Fee Paid (\$)
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)				
9	- 3 = 6	x 200.00 =	1200.00				
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)			
47	- 100 =	50	(round up to a whole number) x				
<b>4. OTHER FEE(S)</b>							
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge):							
2031 Basic National Stage fee							150.00
2033 National Stage Examination Fee - all other ...							100.00
2032 National Stage Search Fee - all other situations							250.00
2017 National Stage oath or declaration after thirty ...							55.00
2015 National Stage claims - extra total (over twenty)							625.00
2014 National Stage claims - extra independent (over ...							600.00
2455 Publication to Revoke Unintentionally Abandoned Application							750.00

SUBMITTED BY		Registration No.		Telephone	
Signature	<i>Peter C. Lauro</i>	(Attorney/Agent)	32,360		(617) 439-4444
Name (Print/Type)	Peter C. Lauro	Date	April 19, 2005		

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PTO-1390 (Rev. 02-2005)

Approved for use through 03/31/2007. OMB 0651-0021

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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 59802(49947)
INTERNATIONAL APPLICATION NO. PCT/US03/32672	INTERNATIONAL FILING DATE 13 October 2003	PRIORITY DATE CLAIMED 16 October 2002
TITLE OF INVENTION METHODS OF ASSESSING THE RISK OF REPRODUCTIVE FAILURE BY MEASURING TELOMERE LENGTH		
APPLICANT(S) FOR DO/EO/US David L. Keefe		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
- ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
- ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
- ☒ The US has been elected (Article 31).
- ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - ☐ is attached hereto (required only if not communicated by the International Bureau).
  - ☐ has been communicated by the International Bureau.
  - ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - ☐ is attached hereto.
  - ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
- ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - ☐ are attached hereto (required only if not communicated by the International Bureau).
  - ☐ have been communicated by the International Bureau.
  - ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - ☒ have not been made and will not be made.
- ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
- ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
- ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

- ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- ☒ A preliminary amendment.
- ☒ An Application Data Sheet under 37 CFR 1.76.
- ☐ A substitute specification.
- ☐ A power of attorney and/or change of address letter.
- ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
- ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
- ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
- ☒ Other items or information: Return Receipt Postcard, Unexecuted Declaration, Petition and Power of Attorney; Petition to Revive Unintentionally Abandoned Patent Application.

PTO-1390 (Rev. 02-2005)  
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U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/US03/32672		ATTORNEY'S DOCKET NUMBER 59802(49947)	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21.	<input checked="" type="checkbox"/> Basic national fee	\$300		\$ 300.00	
22.	<input checked="" type="checkbox"/> Examination fee				
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100					
All other situations..... \$200				\$ 200.00	
23.	<input checked="" type="checkbox"/> Search fee				
Search fee (37 CFR 1.445(a)(2)) has been paid on the International application to the USPTO as an International Searching Authority..... \$100					
International Search Report prepared and provided to the Office..... \$400					
All other situations..... \$500				\$ 100.00	
TOTAL OF 21, 22 and 23 =				\$ 1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
47 - 100 =	150 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	50 - 20 =	30	x 50.00	\$ 1,500.00	
Independent claims	9 - 3 =	6	x 200.00	\$ 1,200.00	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)				+ 0.00	\$ 0.00
TOTAL OF ABOVE CALCULATIONS =				\$ 4,430.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ 2,215.00	
SUBTOTAL =				\$ 2,215.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				+	\$
TOTAL NATIONAL FEE =				\$ 2,215.00	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$ 2,215.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,215.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</p>					
SEND ALL CORRESPONDENCE TO:					
Peter C. Lauro EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, Massachusetts 02205 (617) 439-4444 CUSTOMER NUMBER: 21874					
SIGNATURE: <u>Peter C. Lauro</u> NAME: <u>Peter C. Lauro</u> REGISTRATION NUMBER: <u>32,360</u>					